PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5829748

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BIOAMBER INC.	05/22/2019

RECEIVING PARTY DATA

Name:	LCY BIOSCIENCES INC.
Street Address:	1201 VIDAL STREET SOUTH
City:	SARNIA, ONTARIO
State/Country:	CANADA
Postal Code:	N7T 1M2

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16321181

CORRESPONDENCE DATA

Fax Number: (770)951-0933

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 770 933-9500
Email: julie.campbell@thomashorstemeyer.com
Correspondent Name: THOMAS | HORSTEMEYER, LLP
Address Line 1: 3200 WINDY HILL ROAD
Address Line 2: SUITE 1600E
Address Line 4: ATLANTA, GEORGIA 30339

ATTORNEY DOCKET NUMBER:	051850-1130
NAME OF SUBMITTER:	SCOTT A. HORSTEMEYER
SIGNATURE:	/SAH/
DATE SIGNED:	11/20/2019

Total Attachments: 20

source=BioAmberLCY_-_Confirmatory_Assignment__Executed___002_#page1.tif
source=BioAmberLCY_-_Confirmatory_Assignment__Executed___002_#page2.tif
source=BioAmberLCY_-_Confirmatory_Assignment__Executed___002_#page3.tif
source=BioAmberLCY_-_Confirmatory_Assignment__Executed___002_#page4.tif
source=BioAmberLCY_-_Confirmatory_Assignment__Executed___002_#page5.tif

source=BioAmberLCY_-_Confirmatory_Assignment__Executed___002_#page6.tif
source=BioAmberLCY_-_Confirmatory_Assignment__Executed___002_#page7.tif
source=BioAmberLCY_-_Confirmatory_Assignment__Executed___002_#page8.tif
source=BioAmberLCY_-_Confirmatory_Assignment__Executed___002_#page9.tif
source=BioAmberLCY_-_Confirmatory_Assignment__Executed___002_#page10.tif
source=BioAmberLCY_-_Confirmatory_Assignment__Executed___002_#page11.tif
source=BioAmberLCY_-_Confirmatory_Assignment__Executed___002_#page12.tif
source=BioAmberLCY_-_Confirmatory_Assignment__Executed___002_#page13.tif
source=BioAmberLCY_-_Confirmatory_Assignment__Executed___002_#page14.tif
source=BioAmberLCY_-_Confirmatory_Assignment__Executed___002_#page15.tif
source=BioAmberLCY_-_Confirmatory_Assignment__Executed___002_#page16.tif
source=BioAmberLCY_-_Confirmatory_Assignment__Executed___002_#page17.tif
source=BioAmberLCY_-_Confirmatory_Assignment__Executed___002_#page18.tif
source=BioAmberLCY_-_Confirmatory_Assignment__Executed___002_#page19.tif
source=BioAmberLCY_-_Confirmatory_Assignment__Executed___002_#page20.tif

ROBIC, MONTRÉAL, CANADA

CANADA- USA-WORLDWIDE
CANADA-ÉTATS-UNIS-MONDIALE

CESSION / ASSIGNMENT

Entre

By and between:

BIOAMBER INC.

dont la principale place d'affaires est :

whose main place of business is:

1250 boulevard René-Lévesque Ouest, suite 4310, Montréal (Québec) H3B 4W8, CANADA

(ci-après le « **Cédant** »)

(hereinafter referred to as the "**Assignor**")

Et

And

LCY BIOSCIENCES INC.

incluant son représentant, son agent dûment habilité, fondé de pouvoir, son mandataire, ses successeurs et ses cessionnaires

including its representative, its duly authorized agent, its nominee, its mandatary, its successors and its assignees

(ci-après le « **Cessionnaire** »)

(hereinafter referred to as the "**Assignee**")

dont la principale place d'affaires est :

whose main place of business is:

1201 Vidal Street South, Sarnia (Ontario) N7T 1M2, CANADA

ATTENDU QUE BIOAMBER INC. a conclu une entente en date du 14 septembre 2018 avec 9384-3076 QUÉBEC INC.;

WHEREAS BIOAMBER INC. entered into an agreement dated as of September 14th, 2018 with 9384-3076 QUÉBEC INC.;

ATTENDU QUE BIOAMBER INC. a obtenu une ordonnance de protection contre ses créanciers sous la Loi sur les arrangements avec les créanciers des compagnies (Canada);

WHEREAS BIOAMBER INC. obtained protection from its creditors under the Companies' Creditors Arrangement Act (Canada);

ATTENDU QUE PRICEWATERHOUSECOOPERS INC. est autorisé, en sa qualité de contrôleur, à agir au nom de BIOAMBER INC. dans la présente cession confirmative;

WHEREAS PRICEWATERHOUSECOOPERS INC. is authorized in its capacity of monitor to act on behalf of BIOAMBER INC. in the present confirmatory assignment;

ATTENDU QUE 9384-3076 QUÉBEC INC. a changé de nom pour LCY BIOTECHNOLOGY INC. en date du 26 Septembre 2018;

WHEREAS 9384-3076 QUÉBEC INC. changed its name to LCY BIOTECHNOLOGY INC. on September 26th, 2018;

ATTENDU QUE LCY BIOTECHNOLOGY INC. a fusionnée avec et dans LCY BIOSCIENCES INC. en date du 1e novembre 2018.

CONSIDÉRANT CE QUI PRÉCÈDE, en contrepartie de bonne et valable considération dont réception est accusée et quittance donnée pour autant, les parties conviennent de ce qui suit :

1. Le Cédant vend, cède, délivre et/ou transfère, et/ou confirme la vente, la cession, la délivrance et/ou le transfert par les présentes, en date du **14 septembre 2018** audit Cessionnaire, tout son intérêt partout dans le monde, incluant sans s'y limiter le Canada et les États-Unis et leurs territoires et possessions (ci-après le « Territoire »), dans et à l'invention (aux inventions) telle(s) que décrite(s) et/ou revendiquée(s) dans les demandes de brevet et/ou brevets identifiés à l'**ANNEXE A** jointe aux présentes, et, notamment, tous ses droits, titres et intérêts correspondants dans et à tout brevet sur cette invention qui peut en découler dans le Territoire, ainsi que tous les droits de priorité fondés sur l'ensemble des demandes de brevets et brevets couverts par cette Cession, incluant, sans s'y restreindre, les PCT, les demandes de brevets régionales ou nationales, les demandes divisionnaires, les continuations, les continuations-in-part, les redélivrances, les demandes réexaminées, les extensions, les validations et les substitutions correspondants, tous les brevets qui en découlent et toutes les inventions divulguées dans les demandes et les brevets (collectivement, les « Brevets »), étant entendu que le Cédant vend, cède et transfert les Brevets uniquement dans la mesure où le Cédant détient les droits et intérêts dans ces Brevets.

2. Le Cédant cède également au Cessionnaire le droit d'agir à l'encontre de toute violation de l'un des droits relatifs aux Brevets, incluant toute contrefaçon antérieure.

3. Le Cédant s'engage à signer de façon diligente tous les documents, formulaires et actes juridiques qui pourraient se révéler nécessaires à l'obtention des Brevets et/ou pour déposer d'autres demandes dans le Territoire sur cette invention ou sur toute invention décrite dans les Brevets, au nom du Cessionnaire.

WHEREAS LCY BIOTECHNOLOGY INC. merged with and into LCY BIOSCIENCES INC. on November 1st, 2018.

NOW THEREFORE for good and valuable considerations, the receipt of which is hereby acknowledged, and release is hereby given, the parties agree to the following :

1. The Assignor does hereby sell, assign, deliver and/or transfer and/or confirm such sale, assignment, deliverance and/or transfer as of **September 14th, 2018** to said Assignee all its right, title and interest throughout the world including without limitation Canada and the United States and their territories and possessions (hereinafter the "Territory"), in and to the invention(s) as described and/or claimed in the patent applications and/or patents identified in **SCHEDULE A** attached herewith, and including but not limited to all its corresponding rights, titles and interests in and to any patent on said invention which may issue therefor in the Territory, as well as all priority rights based upon any and all said applications and patents covered by this Assignment, including without limitation, corresponding PCT applications, regional or national patent applications, divisionals, continuations, continuations-in-part, reissues, re-examined applications, extensions, validations, substitution applications, all issued patents thereof and all inventions disclosed in said applications and patents (collectively, the "Patents"), it being understood that the Assignor is selling, conveying, assigning and transferring the Patents only to the extent that the Assignor has rights and interests in and to the Patents.

2. The Assignor further assigns the right to recover for past infringement of, or liabilities for, any of the rights relating to the Patents, unto said Assignee.

3. The Assignor agrees to diligently execute all papers, forms and legal acts that may be necessary to obtain the Patents and/or file other applications in the Territory, for the above invention or any invention described in said Patents, in the name of the Assignee.

4. Tous les frais et déboursés requis et/ou liés au dépôt d'autres demandes et/ou à l'enregistrement de la présente Cession dans le Territoire, incluant, mais sans s'y restreindre, les frais officiels et gouvernementaux, seront à la charge du Cessionnaire.

4. All costs and charges required for and/or related to the filing of other applications and/or the registration of the present Assignment in the Territory, including, but not limited to, official and governmental fees, shall be borne by the Assignee.

5. Le Cédant autorise le Cessionnaire à signer tous les documents et tous les actes nécessaires à l'enregistrement de cette cession et tous les documents donnant force juridique à cette cession, ainsi qu'à demander et obtenir en son nom des Brevets pour ladite invention devant les autorités internationales compétentes et partout dans le Territoire où une demande de brevet peut être déposée ou un Brevet obtenu.

5. The Assignor does authorize and empower the Assignee to sign all documents and all acts that are required to register this assignment and any related document that gives legal force to this assignment, and to apply for and obtain, in its own name, Patents for said invention before the competent international authorities and throughout the Territory wherever applications can be so filed, or a Patent can be so obtained.

6. Le Cédant donne le pouvoir à la firme ROBIC, 630, boul. René-Lévesque O., 20e étage, Montréal, Québec, CANADA, H3B 1S6, d'insérer d'autres informations à la présente Cession, tels la date d'exécution, le numéro de la demande et/ou la date de dépôt de la demande, lorsque ces informations seront connues.

6. The Assignor hereby grants to the firm ROBIC, 630 Rene-Levesque W. Blvd, 20th floor, Montreal, Quebec, CANADA, H3B 1S6, the power to insert additional information to the present Assignment, such as the execution date, the application number and/or the filing date of the application, once this information is known.

7. La présente Cession est régie et interprétée conformément aux lois du Québec et aux lois du Canada qui s'y appliquent.

7. This Assignment shall be governed by and construed in accordance with the applicable laws of the Province of Quebec and Canada applicable therein.

8. En cas de contradiction entre la version française et anglaise des présentes, la version en anglais prévaudra en tout temps et sous tous les aspects, et sera la seule version contraignante entre les parties.

8. In the event of contradiction between the English and French versions of this document, the English version shall prevail at all times and in all respects, and shall be the sole binding version between the parties.

Signé à / Signed at	Halifax	Nova Scotia	Canada
	ville / city	province	pays / country
Ce / This	22nd	May	2019
	jour de / day of	mois / month	année / year

BIOAMBER INC.
As represented by
PRICEWATERHOUSECOOPERS INC. in its capacity as monitor / Représentée par
PRICEWATERHOUSE COOPERS INC. en sa qualité de contrôleur

TÉMOIN / WITNESS

Signature :

Nom / Name : Iain Fraser

Titre / Title : Manager

Signature :

Nom / Name : Paul Pettigrew

Titre / Title : Vice-President

LU ET APPROUVÉ PAR LE CESSIONNAIRE /
READ AND APPROVED BY THE ASSIGNEE

Signé à / Signed at Baytown, Texas, USA
ville / city province pays / country

Ce / This May 21, 2019
jour de / day of mois / month année / year

CESSIONNAIRE / ASSIGNEE : LCY BIOSCIENCES INC.

Signature :

Nom / Name : Cliferd Menezes

Titre / Title : General Manager / CFO

ANNEXE A / SCHEDULE A

Dates en format MM/JJ/AAAA
Dates in MM-DD-YYYY format

Titre / Title	Pays / Country	No. Demande / Brevet / Publication / Application / Publication / Patent No.	Date de dépôt / Filing date	Propriétaire / Owner
ALTERNATIVE PATHWAYS TO ADIPATES AND ADIPIC ACID BY COMBINED FERMENTATION AND CATALYTIC METHODS	PCT	PCT/US2013/059170	09-11-2013	BioAmber Inc.
ALTERNATIVE PATHWAYS TO ADIPATES AND ADIPIC ACID BY COMBINED FERMENTATION AND CATALYTIC METHODS	CA	2,880,726	09-11-2013	BioAmber Inc.
ALTERNATIVE PATHWAYS TO ADIPATES AND ADIPIC ACID BY COMBINED FERMENTATION AND CATALYTIC METHODS	EP	2895613	09-11-2013	BioAmber Inc.
ALTERNATIVE PATHWAYS TO ADIPATES AND ADIPIC ACID BY COMBINED FERMENTATION AND CATALYTIC METHODS	CN	104603277	09-11-2013	BioAmber Inc.
ALTERNATIVE PATHWAYS TO ADIPATES AND ADIPIC ACID BY COMBINED FERMENTATION AND CATALYTIC METHODS	BR	112015005428	09-11-2013	BioAmber Inc.
ALTERNATIVE PATHWAYS TO ADIPATES AND ADIPIC ACID BY COMBINED FERMENTATION AND CATALYTIC METHODS	US	14/423,467	09-11-2013	BioAmber Inc.
PATHWAYS TO ADIPATE SEMIALDEHYDE AND OTHER ORGANIC PRODUCTS	PCT	PCT/US2013/060853	09-20-2013	BioAmber Inc.

PATENT
REEL: 051062 FRAME: 0061

PATHWAYS TO ADIPATE SEMIALDEHYDE AND OTHER ORGANIC PRODUCTS	EP	2898082	09-20-2013	BioAmber Inc.
PATHWAYS TO ADIPATE SEMIALDEHYDE AND OTHER ORGANIC PRODUCTS	US	9,809,833	09-20-2013	BioAmber Inc.
METHODS AND MICROORGANISMS FOR THE BIOLOGICAL SYNTHESIS OF (S) -2-AMINO-6-HYDROXYPIMELATE, HEXAMETHYLENEDIAMINE AND 6-AMINOCAPROATE	PCT	PCT/US2013/055950	08-21-2013	BioAmber Inc.
METHODS AND MICROORGANISMS FOR THE BIOLOGICAL SYNTHESIS OF (S) -2-AMINO-6-HYDROXYPIMELATE, HEXAMETHYLENEDIAMINE AND 6-AMINOCAPROATE	EP	2888356	08-21-2013	BioAmber Inc.
METHODS AND MICROORGANISMS FOR THE BIOLOGICAL SYNTHESIS OF (S) -2-AMINO-6-HYDROXYPIMELATE, HEXAMETHYLENEDIAMINE AND 6-AMINOCAPROATE	US	9,890,405	08-21-2013	BioAmber Inc.
PROCESSES FOR PRODUCING MONOAMMONIUM SUCCINATE FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM SUCCINATE, MONOAMMONIUM SUCCINATE AND/OR SUCCINIC ACID, AND CONVERSION OF MONOAMMONIUM SUCCINATE TO SUCCINIC ACID	PCT	PCT/US2011/028990	03-18-2011	BioAmber Inc.
PROCESSES FOR PRODUCING MONOAMMONIUM SUCCINATE FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM SUCCINATE, MONOAMMONIUM SUCCINATE AND/OR SUCCINIC ACID, AND CONVERSION OF MONOAMMONIUM SUCCINATE TO SUCCINIC ACID	JP	5754785	03-18-2011	BioAmber Inc.
PROCESSES FOR PRODUCING MONOAMMONIUM SUCCINATE FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM SUCCINATE, MONOAMMONIUM SUCCINATE AND/OR SUCCINIC ACID, AND CONVERSION OF MONOAMMONIUM SUCCINATE TO SUCCINIC ACID	JP	2015119725	03-18-2011	BioAmber Inc.

PROCESSES FOR PRODUCING MONOAMMONIUM SUCCINATE FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM SUCCINATE, MONOAMMONIUM SUCCINATE AND/OR SUCCINIC ACID, AND CONVERSION OF MONOAMMONIUM SUCCINATE TO SUCCINIC ACID	KR	101431363	03-18-2011	BioAmber Inc.
PROCESSES FOR PRODUCING MONOAMMONIUM SUCCINATE FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM SUCCINATE, MONOAMMONIUM SUCCINATE AND/OR SUCCINIC ACID, AND CONVERSION OF MONOAMMONIUM SUCCINATE TO SUCCINIC ACID	TH	1101000423	03-18-2011	BioAmber Inc.
PROCESSES FOR PRODUCING MONOAMMONIUM SUCCINATE FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM SUCCINATE, MONOAMMONIUM SUCCINATE AND/OR SUCCINIC ACID, AND CONVERSION OF MONOAMMONIUM SUCCINATE TO SUCCINIC ACID	CA	2,734,627	03-18-2011	BioAmber Inc.
PROCESSES FOR PRODUCING MONOAMMONIUM SUCCINATE FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM SUCCINATE, MONOAMMONIUM SUCCINATE AND/OR SUCCINIC ACID, AND CONVERSION OF MONOAMMONIUM SUCCINATE TO SUCCINIC ACID	CN	102918017	03-18-2011	BioAmber Inc.
PROCESSES FOR PRODUCING MONOAMMONIUM SUCCINATE FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM SUCCINATE, MONOAMMONIUM SUCCINATE AND/OR SUCCINIC ACID, AND CONVERSION OF MONOAMMONIUM SUCCINATE TO SUCCINIC ACID	BR	1100946	03-18-2011	BioAmber Inc.
PROCESSES FOR PRODUCING MONOAMMONIUM SUCCINATE FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM SUCCINATE, MONOAMMONIUM SUCCINATE AND/OR SUCCINIC ACID, AND CONVERSION OF MONOAMMONIUM SUCCINATE TO SUCCINIC ACID	EP	2371800	03-18-2011	BioAmber Inc.

PROCESSES FOR PRODUCING MONOAMMONIUM SUCCINATE FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM SUCCINATE, MONOAMMONIUM SUCCINATE AND/OR SUCCINIC ACID, AND CONVERSION OF MONOAMMONIUM SUCCINATE TO SUCCINIC ACID	US	8,203,021	03-18-2011	BioAmber Inc.
PROCESSES FOR PRODUCING MONOAMMONIUM SUCCINATE FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM SUCCINATE, MONOAMMONIUM SUCCINATE AND/OR SUCCINIC ACID, AND CONVERSION OF MONOAMMONIUM SUCCINATE TO SUCCINIC ACID	US	8,624,059	03-18-2011	BioAmber Inc.
PROCESSES FOR PRODUCING MONOAMMONIUM ADIPATE FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM ADIPATE, MONOAMMONIUM ADIPATE AND/OR ADIPIC ACID, AND CONVERSION OF MONOAMMONIUM ADIPATE TO ADIPIC ACID	PCT	PCT/US2011/032613	04-15-2011	BioAmber Inc.
PROCESSES FOR PRODUCING MONOAMMONIUM ADIPATE FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM ADIPATE, MONOAMMONIUM ADIPATE AND/OR ADIPIC ACID, AND CONVERSION OF MONOAMMONIUM ADIPATE TO ADIPIC ACID	CA	2,738,166	04-15-2011	BioAmber Inc.
PROCESSES FOR PRODUCING MONOAMMONIUM ADIPATE FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM ADIPATE, MONOAMMONIUM ADIPATE AND/OR ADIPIC ACID, AND CONVERSION OF MONOAMMONIUM ADIPATE TO ADIPIC ACID	US	8,895,779	04-15-2011	BioAmber Inc.
PROCESSES FOR PRODUCING MONOAMMONIUM ADIPATE FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM ADIPATE, MONOAMMONIUM ADIPATE AND/OR ADIPIC ACID, AND CONVERSION OF MONOAMMONIUM ADIPATE TO ADIPIC ACID	BR	1102061	04-15-2011	BioAmber Inc.

PROCESSES FOR PRODUCING MONOAMMONIUM ADIPATE FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM ADIPATE, MONOAMMONIUM ADIPATE AND/OR ADIPIC ACID, AND CONVERSION OF MONOAMMONIUM ADIPATE TO ADIPIC ACID	CN	103153931	04-15-2011	BioAmber Inc.
PROCESSES FOR PRODUCING MONOAMMONIUM ADIPATE FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM ADIPATE, MONOAMMONIUM ADIPATE AND/OR ADIPIC ACID, AND CONVERSION OF MONOAMMONIUM ADIPATE TO ADIPIC ACID	EP	2383250	04-15-2011	BioAmber Inc.
PROCESSES FOR PRODUCING MONOAMMONIUM ADIPATE FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM ADIPATE, MONOAMMONIUM ADIPATE AND/OR ADIPIC ACID, AND CONVERSION OF MONOAMMONIUM ADIPATE TO ADIPIC ACID	JP	2013530935	04-15-2011	BioAmber Inc.
PROCESSES FOR PRODUCING MONOAMMONIUM ADIPATE FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM ADIPATE, MONOAMMONIUM ADIPATE AND/OR ADIPIC ACID, AND CONVERSION OF MONOAMMONIUM ADIPATE TO ADIPIC ACID	KR	20130003031	04-15-2011	BioAmber Inc.
PROCESSES FOR PRODUCING MONOAMMONIUM ADIPATE FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM ADIPATE, MONOAMMONIUM ADIPATE AND/OR ADIPIC ACID, AND CONVERSION OF MONOAMMONIUM ADIPATE TO ADIPIC ACID	IN	9726/CHENP/2012	04-15-2011	BioAmber Inc.
PROCESSES FOR PRODUCING CAPROLACTAM AND DERIVATIVES THEREOF FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM ADIPATE, MONOAMMONIUM ADIPATE AND/OR ADIPIC ACID	PCT	PCT/US2011/039898	06-10-2011	BioAmber Inc.
PROCESSES FOR PRODUCING CAPROLACTAM AND DERIVATIVES THEREOF FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM ADIPATE, MONOAMMONIUM ADIPATE AND/OR ADIPIC ACID	US	8,703,900	06-10-2011	BioAmber Inc.

PROCESSES FOR PRODUCING CAPROLACTAM AND DERIVATIVES THEREOF FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM ADIPATE, MONOAMMONIUM ADIPATE AND/OR ADIPIC ACID	CN	102985408	06-10-2011	BioAmber Inc.
PROCESSES FOR PRODUCING CAPROLACTAM AND DERIVATIVES THEREOF FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM ADIPATE, MONOAMMONIUM ADIPATE AND/OR ADIPIC ACID	EP	2582679	06-10-2011	BioAmber Inc.
PROCESSES FOR PRODUCING CAPROLACTAM AND DERIVATIVES THEREOF FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM ADIPATE, MONOAMMONIUM ADIPATE AND/OR ADIPIC ACID	JP	2013529918	06-10-2011	BioAmber Inc.
PROCESSES FOR PRODUCING CAPROLACTAM AND DERIVATIVES THEREOF FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM ADIPATE, MONOAMMONIUM ADIPATE AND/OR ADIPIC ACID	KR	20130020838	06-10-2011	BioAmber Inc.
PROCESSES FOR PRODUCING CAPROLACTAM AND DERIVATIVES THEREOF FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM ADIPATE, MONOAMMONIUM ADIPATE AND/OR ADIPIC ACID	CA	2,800,291	06-10-2011	BioAmber Inc.
PROCESSES FOR PRODUCING CAPROLACTAM AND DERIVATIVES THEREOF FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM ADIPATE, MONOAMMONIUM ADIPATE AND/OR ADIPIC ACID	IN	9957/DELNP/2012	06-10-2011	BioAmber Inc.
PROCESSES FOR PRODUCING CAPROLACTAM AND DERIVATIVES THEREOF FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM ADIPATE, MONOAMMONIUM ADIPATE AND/OR ADIPIC ACID	TH	1201006472	06-10-2011	BioAmber Inc.

PROCESSES FOR PRODUCING CAPROLACTAM AND DERIVATIVES THEREOF FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM ADIPATE OR MONOAMMONIUM ADIPATE	PCT	PCT/US2011/039895	06-10-2011	BioAmber Inc.
PROCESSES FOR PRODUCING CAPROLACTAM AND DERIVATIVES THEREOF FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM ADIPATE OR MONOAMMONIUM ADIPATE	US	9,116,080	06-10-2011	BioAmber Inc.
PROCESSES FOR PRODUCING CAPROLACTAM AND DERIVATIVES THEREOF FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM ADIPATE OR MONOAMMONIUM ADIPATE	CA	2,800,280	06-10-2011	BioAmber Inc.
PROCESSES FOR PRODUCING CAPROLACTAM AND DERIVATIVES THEREOF FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM ADIPATE OR MONOAMMONIUM ADIPATE	BR	112012031877	06-10-2011	BioAmber Inc.
PROCESSES FOR PRODUCING CAPROLACTAM AND DERIVATIVES THEREOF FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM ADIPATE OR MONOAMMONIUM ADIPATE	CN	102971298	06-10-2011	BioAmber Inc.
PROCESSES FOR PRODUCING CAPROLACTAM AND DERIVATIVES THEREOF FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM ADIPATE OR MONOAMMONIUM ADIPATE	EP	2582678	06-10-2011	BioAmber Inc.
PROCESSES FOR PRODUCING CAPROLACTAM AND DERIVATIVES THEREOF FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM ADIPATE OR MONOAMMONIUM ADIPATE	JP	2013534819	06-10-2011	BioAmber Inc.

PROCESSES FOR PRODUCING CAPROLACTAM AND DERIVATIVES THEREOF FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM ADIPATE OR MONOAMMONIUM ADIPATE	KR	20130051983	06-10-2011	BioAmber Inc.
PROCESSES FOR PRODUCING CAPROLACTAM AND DERIVATIVES THEREOF FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM ADIPATE OR MONOAMMONIUM ADIPATE	TH	1201006473	06-10-2011	BioAmber Inc.
PROCESSES FOR PRODUCING ADIPIC ACID FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM ADIPATE	PCT	PCT/US2011/032617	04-15-2011	BioAmber Inc.
PROCESSES FOR PRODUCING ADIPIC ACID FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM ADIPATE	CA	2,738,164	04-15-2011	BioAmber Inc.
PROCESSES FOR PRODUCING ADIPIC ACID FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM ADIPATE	CN	103282337	04-15-2011	BioAmber Inc.
PROCESSES FOR PRODUCING ADIPIC ACID FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM ADIPATE	BR	1101896	04-15-2011	BioAmber Inc.
PROCESSES FOR PRODUCING ADIPIC ACID FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM ADIPATE	EP	2383249	04-15-2011	BioAmber Inc.
PROCESSES FOR PRODUCING ADIPIC ACID FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM ADIPATE	JP	2013524833	04-15-2011	BioAmber Inc.
PROCESSES FOR PRODUCING ADIPIC ACID FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM ADIPATE	KR	20130037680	04-15-2011	BioAmber Inc.

PROCESSES FOR PRODUCING ADIPIC ACID FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM ADIPATE	IN	9956/DELNP/2012	04-15-2011	BioAmber Inc.
PROCESSES FOR PRODUCING ADIPIC ACID FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM ADIPATE	US	13/087,001	04-15-2011	BioAmber Inc.
DEICING AND HEAT TRANSFER FLUID COMPOSITIONS AND METHODS OF USE	PCT	PCT/CA2009/000809	06-08-2009	BioAmber Inc.
DEICING AND HEAT TRANSFER FLUID COMPOSITIONS AND METHODS OF USE	US	7,938,981	06-08-2009	BioAmber Inc.
DEICING AND HEAT TRANSFER FLUID COMPOSITIONS AND METHODS OF USE	CA	2,634,382	06-08-2009	BioAmber Inc.
DEICING AND HEAT TRANSFER FLUID COMPOSITIONS AND METHODS OF USE	CA	2,720,035	06-08-2009	BioAmber Inc.
DEICING AND HEAT TRANSFER FLUID COMPOSITIONS AND METHODS OF USE	CN	102046753	06-08-2009	BioAmber Inc.
DEICING AND HEAT TRANSFER FLUID COMPOSITIONS AND METHODS OF USE	EP	2281024	06-08-2009	BioAmber Inc.
DEICING AND HEAT TRANSFER FLUID COMPOSITIONS AND METHODS OF USE	JP	2011524435	06-08-2009	BioAmber Inc.
DEICING AND HEAT TRANSFER FLUID COMPOSITIONS AND METHODS OF USE	KR	20110025648	06-08-2009	BioAmber Inc.
DEICING AND HEAT TRANSFER FLUID COMPOSITIONS AND METHODS OF USE	RU	2465298	06-08-2009	BioAmber Inc.
PROCESSES FOR REMOVING COLOR DURING PRODUCTION OF RUNWAY DEICER	PCT	PCT/US2010/050176	09-24-2010	BioAmber Inc.

PROCESSES FOR REMOVING COLOR DURING PRODUCTION OF RUNWAY DEICER	US	8,685,253	09-24-2010	BioAmber Inc.
PROCESSES FOR REMOVING COLOR DURING PRODUCTION OF RUNWAY DEICER	CA	2,774,564	09-24-2010	BioAmber Inc.
PROCESSES FOR REMOVING COLOR DURING PRODUCTION OF RUNWAY DEICER	CN	102573526	09-24-2010	BioAmber Inc.
PROCESSES FOR REMOVING COLOR DURING PRODUCTION OF RUNWAY DEICER	EP	2305766	09-24-2010	BioAmber Inc.
PROCESSES FOR REMOVING COLOR DURING PRODUCTION OF RUNWAY DEICER	RU	2012117756	09-24-2010	BioAmber Inc.
PROCESSES FOR PRODUCING HEXAMETHYLENEDIAMINE (HMD), ADIPONITRILE (ADN), ADIPAMIDE (ADM) AND DERIVATIVES THEREOF	PCT	PCT/US2011/039903	06-10-2011	BioAmber Inc.
PROCESSES FOR PRODUCING HEXAMETHYLENEDIAMINE (HMD), ADIPONITRILE (ADN), ADIPAMIDE (ADM) AND DERIVATIVES THEREOF	US	8,742,060	06-10-2011	BioAmber Inc.
PROCESSES FOR PRODUCING HEXAMETHYLENEDIAMINE (HMD), ADIPONITRILE (ADN), ADIPAMIDE (ADM) AND DERIVATIVES THEREOF	BR	112012031597	06-10-2011	BioAmber Inc.
PROCESSES FOR PRODUCING HEXAMETHYLENEDIAMINE (HMD), ADIPONITRILE (ADN), ADIPAMIDE (ADM) AND DERIVATIVES THEREOF	CA	2,800,789	06-10-2011	BioAmber Inc.
PROCESSES FOR PRODUCING HEXAMETHYLENEDIAMINE (HMD), ADIPONITRILE (ADN), ADIPAMIDE (ADM) AND DERIVATIVES THEREOF	CN	103108858	06-10-2011	BioAmber Inc.
PROCESSES FOR PRODUCING HEXAMETHYLENEDIAMINE (HMD), ADIPONITRILE (ADN), ADIPAMIDE (ADM) AND DERIVATIVES THEREOF	EP	2582653	06-10-2011	BioAmber Inc.

PROCESSES FOR PRODUCING HEXAMETHYLENEDIAMINE (HMD), ADIPONITRILE (ADN), ADIPAMIDE (ADM) AND DERIVATIVES THEREOF	JP	2013530184	06-10-2011	BioAmber Inc.
PROCESSES FOR PRODUCING HEXAMETHYLENEDIAMINE (HMD), ADIPONITRILE (ADN), ADIPAMIDE (ADM) AND DERIVATIVES THEREOF	KR	20130023346	06-10-2011	BioAmber Inc.
PROCESSES FOR PRODUCING HEXAMETHYLENEDIAMINE (HMD), ADIPONITRILE (ADN), ADIPAMIDE (ADM) AND DERIVATIVES THEREOF	TH	1201006512	06-10-2011	BioAmber Inc.
PREPARATION OF CATALYST FOR SELECTIVE HYDROGENATION OF HYDROGENATABLE PRECURSORS	PCT	PCT/US2013/020953	01-10-2013	BioAmber Inc.
PREPARATION OF CATALYST FOR SELECTIVE HYDROGENATION OF HYDROGENATABLE PRECURSORS	US	9,018,127	01-10-2013	BioAmber Inc.
PREPARATION OF CATALYST FOR SELECTIVE HYDROGENATION OF HYDROGENATABLE PRECURSORS	US	13/697,592	01-10-2013	BioAmber Inc.
PREPARATION OF CATALYST FOR SELECTIVE HYDROGENATION OF HYDROGENATABLE PRECURSORS	JP	2013528605	01-10-2013	BioAmber Inc.
PREPARATION OF CATALYST FOR SELECTIVE HYDROGENATION OF HYDROGENATABLE PRECURSORS	CA	2,799,376	01-10-2013	BioAmber Inc.
PREPARATION OF CATALYST FOR SELECTIVE HYDROGENATION OF HYDROGENATABLE PRECURSORS	CN	103003238	01-10-2013	BioAmber Inc.
PREPARATION OF CATALYST FOR SELECTIVE HYDROGENATION OF HYDROGENATABLE PRECURSORS	EP	2571849	01-10-2013	BioAmber Inc.
PREPARATION OF CATALYST FOR SELECTIVE HYDROGENATION OF HYDROGENATABLE PRECURSORS	KR	20130041815	01-10-2013	BioAmber Inc.
PREPARATION OF CATALYST FOR SELECTIVE HYDROGENATION OF HYDROGENATABLE PRECURSORS	IN	9976/DELNP/2012	01-10-2013	BioAmber Inc.

PREPARATION OF CATALYST FOR SELECTIVE HYDROGENATION OF HYDROGENATABLE PRECURSORS	TH	1201005963	01-10-2013	BioAmber Inc.
ORGANIC ACIDS FROM HOMOCITRATE AND HOMOCITRATE DERIVATIVES	PCT	PCT/US2015/035178	06-10-2015	BioAmber Inc.
ORGANIC ACIDS FROM HOMOCITRATE AND HOMOCITRATE DERIVATIVES	US	15/317,267	06-10-2015	BioAmber Inc.
ORGANIC ACIDS FROM HOMOCITRATE AND HOMOCITRATE DERIVATIVES	CN	107109445	06-10-2015	BioAmber Inc.
ORGANIC ACIDS FROM HOMOCITRATE AND HOMOCITRATE DERIVATIVES	CA	2,949,869	06-10-2015	BioAmber Inc.
ORGANIC ACIDS FROM HOMOCITRATE AND HOMOCITRATE DERIVATIVES	EP	3155113	06-10-2015	BioAmber Inc.
ORGANIC ACIDS FROM HOMOCITRATE AND HOMOCITRATE DERIVATIVES	JP	2017520621	06-10-2015	BioAmber Inc.
METHYLENEMALONIC ACID AND INTERMEDIATES, PROCESSES FOR THEIR PREPARATION AND ENGINEERED MICROORGANISMS	PCT	PCT/CA2017/050903	07-28-2017	BioAmber Inc.
BIOBASED PRODUCTION OF FUNCTIONALIZED ALPHA-SUBSTITUTED ACRYLATES AND C4-DICARBOXYLATES	PCT	PCT/US2016/035765	06-03-2016	BioAmber Inc.
BIOBASED PRODUCTION OF FUNCTIONALIZED ALPHA-SUBSTITUTED ACRYLATES AND C4-DICARBOXYLATES	US	15/578,754	06-03-2016	BioAmber Inc.
BIOBASED PRODUCTION OF FUNCTIONALIZED ALPHA-SUBSTITUTED ACRYLATES AND C4-DICARBOXYLATES	CA	2,985,231	06-03-2016	BioAmber Inc.
BIOBASED PRODUCTION OF FUNCTIONALIZED ALPHA-SUBSTITUTED ACRYLATES AND C4-DICARBOXYLATES	EP	3303375	06-03-2016	BioAmber Inc.

BIOBASED PRODUCTION OF FUNCTIONALIZED ALPHA-SUBSTITUTED ACRYLATES AND C4-DICARBOXYLATES	KR	20180043242	06-03-2016	BioAmber Inc.
BIOBASED PRODUCTION OF FUNCTIONALIZED ALPHA-SUBSTITUTED ACRYLATES AND C4-DICARBOXYLATES	JP	2017562652	06-03-2016	BioAmber Inc.
CURABLE COATING COMPOSITIONS USING SUCCINIC ACID	PCT	PCT/US2016/051611	09-14-2016	BioAmber Inc.
CURABLE COATING COMPOSITIONS USING SUCCINIC ACID	US	15/759,960	09-14-2016	BioAmber Inc.
CURABLE COATING COMPOSITIONS USING SUCCINIC ACID	EP	3350241	09-14-2016	BioAmber Inc.
TOOLS AND METHODS FOR GENOME EDITING ISSATCHENKIA ORIENTALIS AND OTHER INDUSTRIALLY USEFUL YEAST	PCT	PCT/CA2018/050569	05-14-2018	BioAmber Inc.
PROCESSES FOR PRODUCING BUTANEDIOL (BDO), DIAMINOBUTANE (DAB), FROM FERMENTATION BROTHS CONTAINING AMMONIUM SUCCINATE	PCT	PCT/US2011/049682	08-30-2011	BioAmber Inc.
PROCESSES FOR PRODUCING BUTANEDIOL (BDO), DIAMINOBUTANE (DAB), FROM FERMENTATION BROTHS CONTAINING AMMONIUM SUCCINATE	US	9,464,030	08-30-2011	BioAmber Inc.
PROCESSES FOR PRODUCING BUTANEDIOL (BDO), DIAMINOBUTANE (DAB), FROM FERMENTATION BROTHS CONTAINING AMMONIUM SUCCINATE	EP	2709978	08-30-2011	BioAmber Inc.
PROCESSES FOR THE PRODUCTION OF TETRAHYDROFURAN, GAMMA-BUTYROLACTONE AND/OR BUTANEDIOL FROM SALTS OF SUCCINIC ACID	PCT	PCT/US2011/029024	03-18-2011	BioAmber Inc.
PROCESSES FOR THE PRODUCTION OF HYDROGENATED PRODUCTS	CA	2,734,676	03-18-2011	BioAmber Inc.

PROCESSES FOR THE PRODUCTION OF TETRAHYDROFURAN, GAMMA-BUTYROLACTONE AND/OR BUTANEDIOL FROM SALTS OF SUCCINIC ACID	BR	1101669	03-18-2011	BioAmber Inc.
PROCESSES FOR THE PRODUCTION OF TETRAHYDROFURAN, GAMMA-BUTYROLACTONE AND/OR BUTANEDIOL FROM SALTS OF SUCCINIC ACID	EP	2371798	03-18-2011	BioAmber Inc.
PROCESSES FOR THE PRODUCTION OF TETRAHYDROFURAN, GAMMA-BUTYROLACTONE AND/OR BUTANEDIOL FROM SALTS OF SUCCINIC ACID	CN	102918011	03-18-2011	BioAmber Inc.
PROCESSES FOR THE PRODUCTION OF TETRAHYDROFURAN, GAMMA-BUTYROLACTONE AND/OR BUTANEDIOL FROM SALTS OF SUCCINIC ACID	KR	20130020779	03-18-2011	BioAmber Inc.
PROCESSES FOR THE PRODUCTION OF TETRAHYDROFURAN, GAMMA-BUTYROLACTONE AND/OR BUTANEDIOL FROM SALTS OF SUCCINIC ACID	JP	2013523735	03-18-2011	BioAmber Inc.
PROCESSES FOR THE PRODUCTION OF TETRAHYDROFURAN, GAMMA-BUTYROLACTONE AND/OR BUTANEDIOL FROM SALTS OF SUCCINIC ACID	IN	8534/DELNP/2012	03-18-2011	BioAmber Inc.
PROCESSES FOR THE PRODUCTION OF HYDROGENATED PRODUCTS	US	8,084,626	03-18-2011	BioAmber Inc.
PROCESSES FOR THE PRODUCTION OF HYDROGENATED PRODUCTS	US	8,466,300	03-18-2011	BioAmber Inc.
PROCESSES FOR THE PRODUCTION OF TETRAHYDROFURAN, GAMMA - BUTYROLACTONE AND/OR BUTANEDIOL FROM SALTS OF SUCCINIC ACID	PCT	PCT/US2011/029032	03-18-2011	BioAmber Inc.
PROCESSES FOR THE PRODUCTION OF HYDROGENATED PRODUCTS	CA	2,734,612	03-18-2011	BioAmber Inc.

PROCESSES FOR THE PRODUCTION OF TETRAHYDROFURAN, GAMMA - BUTYROLACTONE AND/OR BUTANEDIOL FROM SALTS OF SUCCINIC ACID	BR	1101622	03-18-2011	BioAmber Inc.
PROCESSES FOR THE PRODUCTION OF TETRAHYDROFURAN, GAMMA - BUTYROLACTONE AND/OR BUTANEDIOL FROM SALTS OF SUCCINIC ACID	EP	2371797	03-18-2011	BioAmber Inc.
PROCESSES FOR THE PRODUCTION OF TETRAHYDROFURAN, GAMMA - BUTYROLACTONE AND/OR BUTANEDIOL FROM SALTS OF SUCCINIC ACID	JP	2013523736	03-18-2011	BioAmber Inc.
PROCESSES FOR THE PRODUCTION OF TETRAHYDROFURAN, GAMMA - BUTYROLACTONE AND/OR BUTANEDIOL FROM SALTS OF SUCCINIC ACID	CN	102947259	03-18-2011	BioAmber Inc.
PROCESSES FOR THE PRODUCTION OF TETRAHYDROFURAN, GAMMA - BUTYROLACTONE AND/OR BUTANEDIOL FROM SALTS OF SUCCINIC ACID	KR	20130018777	03-18-2011	BioAmber Inc.
PROCESSES FOR THE PRODUCTION OF TETRAHYDROFURAN, GAMMA - BUTYROLACTONE AND/OR BUTANEDIOL FROM SALTS OF SUCCINIC ACID	IN	8532/DELNP/2012	03-18-2011	BioAmber Inc.
PROCESSES FOR THE PRODUCTION OF HYDROGENATED PRODUCTS	US	8,410,291	03-18-2011	BioAmber Inc.
PROCESSES FOR THE PRODUCTION OF HYDROGENATED PRODUCTS	US	8,193,375	03-18-2011	BioAmber Inc.
PROCESSES FOR THE PRODUCTION OF HYDROGENATED PRODUCTS	US	8,399,687	03-18-2011	BioAmber Inc.
PROCESSES FOR PRODUCING CARBOXYLIC ACIDS FROM FERMANTATION BROTHS CONTAINING THEIR AMMONIUM SALTS	PCT	PCT/US2012/051326	08-17-2012	BioAmber Inc.

PROCESSES FOR PRODUCING SUCCINIC ACID FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM SUCCINATE	US	8,246,792	03-18-2011	BioAmber Inc.